# JANUARY 1991

_	Original Articles
1	Diagnosis of Campylobacter pylori Gastritis. H. Mertz, N. LaFrance, D. Kafonek, J. Yardley, and T. Hendrix
5	Helicobacter pylori and Gastric Acid Output in Peptic Ulcer Disease. J. Y. Kang and A. Wee
10	Zollinger-Ellison Syndrome: Relation to Helicobacter pylori-Associated Chronic Gastritis and Gastric Acid Secretion. A. Fich, N. J. Talley, R. G. Shorter, and S. F. Phillips
15	Helicobacter pylori and Zollinger-Ellison Syndrome. Z. A. Saeed, D. J. Evans, Jr., D. G. Evans, M. J. Cornelius, P. N. Maton, R. T. Jensen, and D. Y. Graham
19	Peptic Ulcer Perforation as the Presentation of Zollinger-Ellison Syndrome. I. Waxman, J. D. Gardner, R. T. Jensen, and P. N. Maton
25	Enhancement of Antibiotic Concentrations in Gastric Mucosa by H <sub>2</sub> -Receptor Antagonist: Implications for Treatment of Helicobacter pylori Infections. T. U. Westblom and D. E. Duriex
29	Improved Experimental Model for Complete Gastric Vagotomy in the Rat. A. S. Salim
33	Chronic Effect of Intragastric Ammonia on Gastric Mucosal Structures in Rats. S. Kawano, M. Tsujii, H. Fusamoto, N. Sato, and T. Kamad
39	Mechanism of Intragastric Nicotine Protection against Ethanol-Induced Gastric Injury. K. Endoh, M. Baker, and F. W. Leung
47	Effect of Synthetic Prostaglandin in E <sub>1</sub> Analog (Ornoprostil) on Gastric Emptying and Pancreatic Polypeptide Release after Solid-Meal Ingestion in Man. H. Okano, S. Saeki, A. Inui, Y. Kawai, S. Morimoto, A. Ohmoto, T. Nakashima, M. Miyamoto, T. Oh, A. Takata, H. Mitooka, Y. Tomofuji, T. Yasuda, S. Baba, and M. Kasuga
52	Visceral Perception in Health and Functional Dyspepsia: Crossover Study of Gastric Distension with Placebo and Domperidone. M. Bradette, Paré, P. Douville, and A. Morin
59	Bowel Dysfunction in Fibromyalgia Syndrome. G. Triadafilopoulos, R. W. Simms, and D. L. Goldenberg
65	Scintigraphic Assessment of Leukocyte Infiltration in Acute Pancreatitis Using Technetium-99m-hexamethyl Propylene Amine Oxine as Leukocyte Label. J. Schölmerich, C. Schümichen, M. Lausen, V. Gross, HG. Leser, L. Lay, E. H. Farthmann, and W. Gerok
71	Pressure Measurements from Biliary and Pancreatic Segments of Sphincter of Oddi: Comparison between Patients with Functional Abdominal Pain, Biliary, or Pancreatic Disease. H. M. Raddawi, J. E. Geenen, W. J. Hogan, W. J. Dodds, R. P. Venu, and G. K. Johnson
75	Penetration of Lanthanum Through the Main Pancreatic Duct Epithelium in Cats Following Exposure to Infected Human Bile. T. Arendt
82	Noninvasive Measurement of Portal Venous Blood Flow in Patients with Cirrhosis: Effects of Physiological and Pharmacological Stimuli. D. Alvarez, R. Mastai, A. Lennie, G. Soifer, D. Levi, and R. Terg
87	Two-Dimensional Flow Cytometric Analysis of Intrahepatic Lymphocyte Subsets from Patients with Chronic Hepatitis. T. Takehara, N. Hayashi, K. Katayama, A. Kasahara, H. Fusamoto, M. Kato, M. Masuzawa, and T. Kamada
92	Treatment of Fulminant Hepatic Failure with Insulin and Glucagon: A Randomized, Controlled Trial. G. M. Woolf and A. G. Redeker
97	Ulcerative Proctitis in Central Sweden 1965-1983: A Population-Based Epidemiological Study. A. Ekbom, C. Helmick, M. Zack, and H. O. Adami
103	Radiation-Induced Proctosigmoiditis: Prospective, Randomized, Double-Blind Controlled Trial of Oral Sulfasalazine plus Rectal Steroids versus Recta Sucralfate. R. Kochhar, F. Patel, A. Dhar, S. C. Sharma, S. Ayyagari, R. Aggarwal, M. K. Goenka, B. D. Gupta, and S. K. Mehta
	Case Reports
108	Primary Cytomegalovirus Infection and Gastric Ulcers in Normal Host. D. O. Arnar, G. Gudmundsson, A. Theodors, G. Valtysson, A. Sigfusson, and J. G. Jonasson
112	Abdominal Tuberculosis—A Cause of Portal Vein Thrombosis and Portal Hypertension. D. Ruttenberg, S. Graham, D. Burns, D. Solomon, and P. Bornman
116	Cellular Immunodeficiency in Protein-Losing Enteropathy: Predominant Reduction of CD3+ and CD4+ Lymphocytes. Ch. Müller, H. Wolf, J. Göttlicher, C. C. Zielinski, and M. M. Eibl
	Letters to the Editor
123	IL-6 and TNFα in Ascitic Fluid during Spontaneous Bacterial Peritonitis. J. Deviere, J. Content, A. Crusiaux, and E. DuPont
124	Anti-Hepatitis C Virus (HCV) Antibodies in Heart Transplant Recipients with Posttransplantation Chronic Viral B and Non-A, Non-B Hepatitis F. Lunel, J. F. Cadranel, M. Perrin, P. Grippon, M. Desruenne, J. M. Huraux, C. Cabrol, and P. Opolon

#### FEBRUARY 1991

	Review Article
129	Omeprazole: Gastrin and Gastric Endocrine Cell Data from Clinical Studies. R. G. Berlin
	Original Articles
137	Modulation of Gastric pH by Continuous Gastric and Jejunal Infusion of Cimetidine, U. K. Murthy and W. G. Linscheer
142	Prevalence of Helicobacter pylori in Specific Forms of Gastritis: Further Evidence Supporting a Pathogenic Role for H. pylori in Chronic
	Nonspecific Gastritis. J. E. Ormand, N. J. Talley, R. G. Shorter, C. R. Conley, H. A. Carpenter, A. Fich, W. R. Wilson, and S. F. Phillips
146	Gastric Emptying of Indigestible Tablets in Relation to Composition and Time of Ingestion of Meals Studied by Metal Detector. K. Ewe, A. G. Press, S. Bollen, and I. Schuhn
153	Persistence of Chronic Constipation in Children After Biofeedback Treatment. V. Loening-Baucke
161	Clinical and Physiological Study of Anal Sphincter and Ileal J Pouch Before Preileostomy Closure and 6 and 12 Months After Closure of Loop Ileostomy. S. Chaussade, S. Michopoulos, M. Hautefeuille, P. Valleur, P. Hautefeuille, J. Guerre, and D. Couturier
168	Effect of 5-Hydroxytryptamine and Its Antagonists on Colonic Smooth Muscle of the Rabbit. W. W. Ng, J. Jing, P. E. Hyman, and W. J. Snape, Jr.
174	Scavenger Effect of Sulfasalazine, 5-Aminosalicylic Acid, and Olsalazine on Superoxide Radical Generation. P. Gionchetti, C. Guarnieri, M. Campieri, A. Belluzzi, C. Brignola, P. Iannone, M. Miglioli, and L. Barbara
179	Modulation of Mediator Release from Human Intestinal Mast Cells by Sulfasalazine and 5-Aminosalicylic Acid. C. C. Fox, W. C. Moore, and L. M. Lichtenstein
185	Rectal Irrigation with Short-Chain Fatty Acids for Distal Ulcerative Colitis: Preliminary Report. R. I. Breuer, S. K. Buto, M. L. Christ, J. Bean, P. Vernia, P. Paoluzi, M. C. Di Paolo, and R. Caprilli
188	D-Xylose Absorption Test: Urine or Blood? Y. Peled, O. Doron, H. Laufer, Y. Bujanover, and T. Gilat
193	Gallstone Dissolution with Methyl tert-Butyl Ether in 120 Patients—Efficacy and Safety. U. Leuschner, A. Hellstern, K. Schmidt, H. Fischer, S. Güldütuna, K. Hübner, and M. Leuschner
200	Medical Dissolution of Gallstones: Clinical Experience of d-Limonene as a Simple, Safe, and Effective Solvent. H. Igimi, R. Tamura, K. Toraishi, F. Yamamoto, A. Kataoka, Y. Ikejiri, T. Hisatsugu, and H. Shimura
209	Evaluation of Portal-Systemic Shunting in Rats from Mesenteric and Splenic Beds. R. E. Stauber, F. W. Ruthardt, W. N. Tauxe, and D. H. Van Thiel
216	Treatment of Pruritus of Primary Biliary Cirrhosis with Rifampin. A. Podesta, P. Lopez, R. Terg, F. Villamil, D. Flores, R. Mastai, C. B. Udaondo, and J. P. Companc
221	Effect of Chronic Administration of Cyclosporin A on Hepatic Uptake and Biliary Secretion of Bromosulfophthalein in Rat. J. F. Cadranel, M. Dumont, V. A. Mesa, C. Degott, D. Touchard, and S. Erlinger
225	Achalasia in the Elderly: Effects of Aging on Clinical Presentation and Outcome. R. E. Clouse, B. K. Abramson, and J. R. Todorczuk
229	Prospective Study on Prevalence of Esophageal Chest Pain in Patients Referred on an Elective Basis to a Cardiac Unit for Suspected Myocardial Ischemia. F. Nevens, J. Janssens, J. Piessens, G. Ghillebert, H. De Geest, and G. Vantrappen
	Editorial
236	Are We Training Consultants in Gastroenterology? H. R. Clearfield
	Case Reports
238	Ischemic Colitis in a Crack Abuser. R. D. Yang, M. W. Han, and J. H. McCarthy
241	Islet Cell Carcinoma of the Pancreas Presenting as Bleeding from Isolated Gastric Varices: Report of a Case and Review of the Literature. D. C. Metz and S. B. Benjamin
245	Pancreatic Ascites Presenting in Infancy, with Review of the Literature. A. C. Athow, M. L. Wilkinson, A. J. S. Saunders, and D. P. Drake
251	PEG Ileus: A New Cause of Small Bowel Obstruction. I. Waxman, F. H. Al-Kawas, B. Bass, and M. Glouderman

News and Notices

# **MARCH 1991**

257	On Drugs and Dilators for Achalasia. M. Traube
	Original Articles
260	Medical Treatment of Esophageal Achalasia: Double-Blind Crossover Study with Oral Nifedipine, Verapamil, and Placebo. G. Triadafilopoulos, M. Aaronson, S. Sackel, and R. Burakoff
268	— Management of Dysphagia in Suspected Esophageal Motor Disorders. N. Bourgeois, M. Coffernils, M. Buset, M. Gelin, M. Deltenre, J. M. Panzer, and M. Cremer
274	Reevaluation of Manometric Criteria for Vigorous Achalasia: Is This A Distinct Clinical Disorder? J. R. Todorczuk, G. Aliperti, A. Staiano, and R. E. Clouse
279	Esophageal Candidiasis in AIDS: Successful Therapy with Clotrimazole Vaginal Tablets Taken by Mouth. E. Lalor and L. Rabeneck
282	Effect of Intraesophageal Location and Muscarinic Blockade on Balloon Distention-Induced Chest Pain. W. G. Paterson, M. Selucky, and T. T. Hynna-Liepert
289	Relationship Between Plasma and Hepatic Cytosolic Levels of Ornithine Decarboxylase (ODC) and Thymidine Kinase (TK) in 70% Hepatectomized Rats. L. Polimeno, A. Azzarone, P. Dell'Aquila, C. Amoruso, M. Barone, A. Angelini, D. H. Van Thiel, and A. Francavilla
293	Species Differences in Hepatic Pulmonary and Upper Gastrointestinal Tract Biotransformation Enzymes on Long-Term Feeding of Masheri—A Pyrolyzed Tobacco Product. U. J. Nair, N. Ammigan, J. J. Kayal, and S. V. Bhide
299	Natural Killer Cell Activity in Patients with Liver Cirrhosis Relative to Severity of Liver Damage. WL. Chuang, HW. Liu, WY. Chang, SC. Chen, MY. Hsieh, and LY. Wang
303	Demonstration of Two Distinct Subsets of Gastric Varices: Observations During a Seven-Year Study of Endoscopic Sclerotherapy. J. Korula, K. Chin, Y. Ko, and S. Yamada
310	Bile Acids in Human Plasma Interfere with Cholecystokinin Bioassay Using Dispersed Pancreatic Acini. K. Miyasaka, A. Funakoshi, M. Matsumoto, R. Nakamura, S. Sakamoto, H. Sakai, and K. Kitani
317	Biliary Pain in Postcholecystectomy Patients without Biliary Obstruction: A Prospective Radionuclide Study. G. Grimon, C. Buffet, L. André, J.P. Etienne, and A. Desgrez
321	Ulcerative Colitis Disease Activity as Subjectively Assessed by Patient-Completed Questionnaires Following Orthotopic Liver Transplantation for Sclerosing Cholangitis. J. S. Gavaler, B. Delemos, S. H. Belle, A. E. Heyl, R. E. Tarter, T. E. Starzl, C. Gavaler, and D. H. Van Thiel
329	Effect of Psyllium Hydrophilic Mucilloid on Serum Cholesterol in the Elderly. R. B. Stewart, W. E. Hale, M. T. Moore, F. E. May, and R. G. Marks
335	Epidermal Growth Factor Regulation of DNA Synthesis in Human Colonic Lamina Propria Lymphocytes. Y. Elitsur, A. P. N. Majumdar, W. A. Sakr, and G. D. Luk
341	Human Intraepithelial Lymphocytes: Immunomodulation and Receptor Binding of Vasoactive Intestinal Peptide. A. I. Roberts, A. Panja, R. E. Brolin, and E. C. Ebert
347	Usefulness of Fecal α <sub>1</sub> -Antitrypsin Clearance and Fecal Concentration as Early Indicator of Postoperative Asymptomatic Recurrence in Crohn's Disease. M. Boirivant, F. Pallone, A. Ciaco, M. Leoni, S. Fais, and A. Torsoli
	Review Article
353	Endometriosis: An Important Condition in Clinical Gastroenterology, F. R. Zwas and D. T. Lyon
365	Case Reports Case Reports Johanson-Blizzard Syndrome: Progression of Pancreatic Involvement in Adulthood. D. R. Trellis and R. E. Clouse
370	Acute Porphyria Presenting with Hyperamylasemia. P. M. Glencross, D. D. Ledingham, and J. A. Alexander
373	Severe Hemorrhagic Radiation Proctitis Advancing to Gradual Cessation with Hyperbaric Oxygen. J. Charneau, G. Bouachour, B. Person, P.
3/3	Burtin, J. Ronceray, and J. Boyer
376	Ampullary Tumor Caused by Metastatic Renal Cell Carcinoma. R. P. Venu, P. Rolny, J. E. Geenen, W. J. Hogan, R. A. Komorowski, and R. Ferstenberg
379	Duodenal-Caval Fistula. R. Eisdorfer and P. Miskovitz
	Letters to the Editor
381	Palliation for Esophageal and Cardial Cancer. J. Payne-James, D. Loft, G. Misiewicz, and D. Silk
381	Response. S. Naveau
381	Amyloidosis Complicating Inflammatory Bowel Disease. M. Kusunoki, S. Fujita, Y. Sakanoue, Y. Shoji, and J. Utsunomiya
383	News and Notices

#### **APRIL 1991**

	Review Articles
385	Omeprazole: Overview and Opinion. S. Holt and C. W. Howden
394	Use of Omeprazole in Patients with Zollinger-Ellison Syndrome. H. Frucht, P. N. Maton, and R. T. Jensen
405	Original Articles  Inhibition of Iron Absorption by Omeprazole in Rat Model. J. Golubov, P. Flanagan, and P. Adams
409	Protective Effect of Tauroursodeoxycholate Against Chenodeoxycholate-Induced Damage to Cultured Rabbit Gastric Cells. S. Ota, H. Tsukahara, A. Terano, Y. Hata, H. Hiraishi, H. Mutoh, and T. Sugimoto
417	Unique Features of Helicobacter pylori Disease in Children. E. Hassall and J. E. Dimmick
424	Pathogenetic Role of Helicobacter pylori in Duodenal Ulcer Disease: Multivariate Analysis of Factors Affecting Relapse. WM. Hui, J. Ho, and SK. Lam
431	Gastroduodenal Mucosal Prostaglandin Generation in Patients with Helicobacter pylori before and after Treatment with Bismuth Subsalicylate.  C. Avunduk, M. Suliman, D. Gang, N. Polakowski, and G. L. Eastwood
435	Eosinophil Infiltration and Degranulation in <i>Helicobacter pylori</i> -Associated Chronic Gastritis. T. W. McGovern, N. J. Talley, G. M. Kephart, H. A. Carpenter, and G. J. Gleich
441	Vagally Mediated Acid Hypersecretion and Lesion Formation in Anesthetized Rat Under Hypothermic Conditions. H. Niida, K. Takeuchi, K. Ueshima, and S. Okabe
449	Controlled Trial of Antimycobacterial Therapy in Crohn's Disease: Clofazimine versus Placebo. N. H. Afdhal, A. Long, J. Lennon, J. Crowe, and D. P. O'Donoghue
454	Investigations on Etiology of Crohn's Disease: Humoral Immune Response to Stress (Heat Shock) Proteins. D. C. Markesich, E. T. Sawai, J. S. Butel, and D. Y. Graham
461	Inflammatory Bowel Disease Induced by Combined Bacterial Immunization and Oral Carrageenan in Guinea Pigs: Model Development, Histopathology, and Effects of Sulfasalazine. P. Oestreicher, S. T. Nielsen, and K. D. Rainsford
471	Prevalence of Inflammatory Bowel Disease in Family Members of Jewish Crohn's Disease Patients in Israel. J. Zlotogora, J. Zimmerman, and D. Rachmilewitz
476	Pilot Study of Sandostatin (Octreotide) Therapy of Refractory HIV-Associated Diarrhea. M. Fanning, M. Monte, L. R. Sutherland, M. Broadhead, G. F. Murphy, and A. G. Harris
481	Hepatic Regeneration: In Vitro Observations and Early Clinical Observations. Selected Papers from the Proceedings of the International
482	Meeting on Normal and Neoplastic Growth in Hepatology, Bari, Italy, June 1989  Enumeration of S-Phase Cells in Normal Rat Liver by Immunohistochemistry Using Bronodeoxyuridine-Antibromodeoxyuridine System. A. M.
402	Jezequel, F. Paolucci, A. Benedetti, R. Mancini, and F. Orlandi
485	α <sub>1</sub> -Adrenergic Receptors in Liver Regeneration. J. L. Cruise
489	Mechanisms Controlling Growth of Hepatocytes in Primary Culture. A. Ichihara
494	Characterization of Rat Hyperplastic Bile Ductular Epithelial Cells in Culture and In Vivo. A. E. Sirica, L. W. Elmore, and N. Sano
502	Pancreatic Hepatocytes: An In Vivo Model for Cell Lineage in Pancreas of Adult Rat. J. K. Reddy, M. S. Rao, A. V. Yeldandi, X. Tan, and R. S. Dwivedi
510	Liver Regeneration after Partial Hepatectomy in Rats with Defective Bilirubin Conjugation or Biliary Excretion. R. A. F. M. Chamuleau, D. C. Aronson, W. M. Frederiks, D. K. Bosman, J. J. H. Smit, M. A. W. Maas, and P. L. M. Jansen
512	Original Article
513	Characterization of Secretin Release in Response to Food and Intraduodenal Administration of Fat and Hydrochloric Acid. E. J. Draviam, G. Gomez, T. Hashimoto, T. Miyashita, F. L. C. Hill, T. Uchida, P. Singh, G. H. Greeley, Jr., and J. C. Thompson  Case Reports
520	Metastatic Carcinoma of the Gallbladder from Renal Cancer Presenting as Intraluminal Polypoid Mass. H. Satoh, A. Iyama, K. Hidaka, H. Nakashiro, S. Harada, and T. Hisatsugu
524	Giant Hemangioma of the Liver with Pain, Fever, and Abnormal Liver Tests: Report of Two Cases. D. Pateron, G. Babany, J. Belghiti, A. Hadengue, Y. Menu, J. F. Flejou, S. Erlinger, and J. P. Benhamou
528	Kaposi's Sarcoma of the Colon in a Young HIV-Negative Woman with Crohn's Disease. T. Puy-Montbrun, F. Pigot, P. N. Vuong, R. Ganansia, and J. Denis
532	Intestinal Pseudoobstruction Secondary to Amyloidosis Responsive to Cisapride. A. G. Fraser, J. F. Arthur, and I. Hamilton
536	Tuberculosis of the Esophagus. J. Eng and S. Sabanathan
541	Mucosal Metabolic Activity in Endoscopic Intestinal Biopsy Specimens. P. Giamundo, M. F. Grahn, P. R. O'Connell, and N. S. Williams
542	Pseudocystic Hepatic Metastasis: Unusual Onset of Carcinoid Tumor. C. Silvain, I. Besson, O. Azaïs, M. Le Bezu, and M. Morichau-Beauchant
544	News and Notices

#### **MAY 1991**

545 548	Antisecretory Therapy and Genotoxicity. S. Holt, R.E. Powers, and C.W. Howden  Flow Cytometry in Barrett's Esophagus: What Have We Learned So Far? H.S. Garewal, R.E. Sampliner, and M.B. Fennerty  Original Articles
552	Long-Term Maintenance Treatment of Reflux Esophagitis with Omeprazole: Prospective Study in Patients with H <sub>2</sub> -Blocker-Resistant Esophagitis H. Koop and R. Arnold
558	Simultaneous Esophageal pH Monitoring and Scintigraphy During the Postprandial Period in Patients with Severe Reflux Esophagitis. S.S. Shay, D. Eggli, and L.F. Johnson
565	Acid Perfusion Test and 24-Hour Esophageal pH Monitoring with Symptom Index: Comparison of Tests for Esophageal Acid Sensitivity. J.E. Richter, E.G. Hewson, J.W. Sinclair, and C.B. Dalton
572	Helicobacter pylori in Children with Peptic Ulcer and Their Families. G. Oderda, D. Vaira, J. Holton, C. Ainley, F. Altare, M. Boero, A. Smith, and N. Ansaldi
577	Effect of Omeprazole on Duodenal Ulcer-Associated Antral Gastritis and Helicobacter pylori. W.M. Hui, S.K. Lam, J. Ho, C.L. Lai, A.S.F. Lok, M.M.T. Ng, W.Y. Lau, and F.J. Branicki
583	Control of Castric pH with Ranitidine in Critically III Patients: Comparison of Two Intravenous Regimens. L. Santucci, S. Fiorucci, M.A. Pelli, A. Calderazzo, E. Biasini, P.L. Calderazzo, and A. Morelli
588	Expression of Gastric Antisecretory and Prostaglandin E Receptor Binding Activity of Misoprostol by Misoprostol Free Acid. B.S. Tsai, L.K. Kessler, J. Stolzenbach, G. Schoenhard, and R.F. Bauer
594	Diclofenac Delays Healing of Gastroduodenal Mucosal Lesions: Double-Blind, Placebo-Controlled Endoscopic Study in Healthy Volunteers. P. Stadler, D. Armstrong, D. Margalith, E. Saraga, M. Stolte, P. Lualdi, G. Mautone, and A.L. Blum
601 609	Ethanol-Induced Gastric Injury: Role of Submucosal Venoconstriction and Leukotrienes. Y. Yonei and P.H. Guth  Towards a Less Costly but Accurate Test of Gastric Emptying and Small Bowel Transit. M. Camilleri, A.R. Zinsmeister, M.P. Greydanus,  M.L. Brown, and M. Proano
616	Long-Term Efficacy of Oral Cisapride in Symptomatic Upper Gut Dysmotility. T.L. Abell, M. Camilleri, E.P. DiMagno, V.S. Hench, A.R. Zinsmeister, and JR. Malagelada
621	Return of Interdigestive Motor Complex after Abdominal Surgery: End of Postoperative Ileus? E. Schippers, A.H. Hölscher, E. Bollschweiler and J.R. Siewert
627	Monocyte Zinc and In Vitro Prostaglandin E <sub>2</sub> and Interleukin-1β Production by Cultured Peripheral Blood Monocytes in Patients with Crohn's Disease, H.F. Goode, B.J. Rathbone, J. Kelleher, and B.E. Walker
634	PAF-Induced Bowel Necrosis: Effects of Vasodilators. C. Zhang and W. Hsueh
_	Conference Reports
641	Hepatic Regeneration: Its Molecular Biology and Signals. Selected Papers from the Proceedings of the International Meeting on Normal and Neoplastic Growth in Hepatology, Bari, Italy, June 1989
642	Characterization of Liver Epithelial Cells Transfected with myc and/or ras Oncogenes. S.C. Strom, J.B. Faust, E. Cappelluti, R.B. Harris, and N.D. Lalwani
653	Protooncogenes and Growth Factors Associated with Normal and Abnormal Liver Growth. N. Fausto
659	Liver Tumor Promotion: Effect of Phenobarbital on EGF and Protein Kinase C Signal Transduction and Transforming Growth Factor-β1 Expression. R.L. Jirtle and S.A. Meyer
669	Hepatic Stimulator Substance: Discovery, Characteristics and Mechanism of Action. D.R. LaBrecque
674	Further Steps of Hepatic Stimulatory Substance Purification. A. Francavilla, M. Barone, D.H. Van Thiel, V. Mazzaferro, J.G. Prelich, and T.E. Starzl
681	Hepatopoietins A and B and Hepatocyte Growth. G.K. Michalopoulos, R. Zarnegar, K. Houck, and P. Pediaditakis
687	Cyclosporine and Liver Regeneration Studied by In Vivo <sup>31</sup> P Nuclear Magnetic Resonance Spectroscopy. L. Rossaro, V. Mazzaferro, C.L. Scotti-Foglieni, K.A. Porter, D.S. Williams, E. Simplaceanu, V. Simplaceanu, A. Francavilla, T.E. Starzl, C. Ho, R. Naccarato, and D.H. Van Thiel  Case Reports
693	Manometric Findings in Dysphagia Secondary to Left Atrial Dilatation: Giant, Cyclic Midesophageal Pressure Waves Occurring with Every Heart Beat. M.S. Cappell
(00	Letters to the Editor
699	Reassessment of Enzymes in Acute Pancreatitis: Reply. M. Ventrucci
699	Diuretics Suppress Acid Secretion. C.D. Christian, Jr., H.G. Langford, and J.L. Achord
700	Departmention of Contribution A.D. Sparker D. Canaraca V. Barky I. Vanni Inhar and V. Lavy

# **JUNE 1991**

	Review Article
705	Collagenous Colitis: Pathophysiologic Considerations. D. A. Stampfl and L. S. Friedman
	Original Articles
712	Inhibitory Neuropeptides and Intrinsic Inhibitory Innervation of Descending Human Colon. T. R. Koch, J. A. Carney, V. L. W. Go, and J. H. Szurszewski
719	Enteric Neural Modulation of Slow-Wave Activity in Cat Colon. C. Du, J. L. Conklin, and G. Hammer
727	Mucosal Vascular Stasis Precedes Loss of Viability of Endothelial Cells in Rat Acetic Acid Colitis. F. W. Leung and A. Koo
733	Effect of Cisapride on Chronic Idiopathic Constipation in Children. A. Staiano, S. Cucchiara, M. R. Andreotti, R. Minella, and G. Manzi
737	Inhibitor of Interleukin-1α and Interleukin-1β-Induced T-Cell Activation in Serum of Patients with Active Crohn's Disease. J. Brynskov, M. B. Hansen, C. Reimert, and K. Bendtzen
743	Mucosal and Systemic IgA Anti-Gliadin Antibody in Celiac Disease: Contrasting Patterns of Response in Serum, Saliva, and Intestinal Secretions. C. P. Kelly, C. F. Feighery, R. B. Gallagher, M. J. Gibney, and D. G. Weir
752	IgA Antiendomysial Antibody Test: A Step Forward in Celiac Disease Screening. U. Volta, N. Molinaro, M. Fusconi, F. Cassani, and F. B. Bianchi
757	Upper Gastrointestinal Bleeding Following Open Heart Surgery: Predominant Finding of Aggressive Duodenal Ulcer Disease. E. Lebovics, S. S. Lee, B. M. Dworkin, S. K. Heier, A. Casellas, G. Reed, and W. S. Rosenthal
761	U.S. Experience with Omeprazole in Duodenal Ulcer: Multicenter Double-Blind Comparative Study with Ranitidine. J. E. Valenzuela, R. G. Berlin, W. J. Snape, T. L. Johnson, B. I. Hirschowitz, J. Colon-Pagan, R. S. Morse, J. Petrozza, G. M. Van Deventer, A. Cagliola, J. Whipple, R. Berman, T. J. Humphries, and the Omeprazole DU Comparative Study Group
	Conference Reports
769	Fulminant Hepatic Failure: Animal and Clinical Studies. Selected Papers from the Proceedings of the International Meeting on Normal and Neoplastic Growth in Hepatology, Bari, Italy, June 1989
770	Animal Models of Fulminant Hepatic Failure. J. Terblanche and R. Hickman
775	Fulminant Hepatic Failure: Clinical Features, Etiology, Epidemiology, and Current Management. L. Capocaccia and M. Angelico
780	Human Hepatocyte Growth Factor in Blood of Patients with Fulminant Hepatic Failure. I. Clinical Aspects. H. Tsubouchi, S. Hirono, E. Gohda, H. Nakayama, K. Takahashi, O. Sakiyama, M. Kimoto, S. Kawakami, H. Miyoshi, O. Kubozono, Y. Kawarada, R. Mizumoto, N. Arakaki, Y. Daikuhara, and S. Hashimoto
785	Human Hepatocyte Growth Factor in Blood of Patients with Fulminant Hepatic Failure: Basic Aspects. E. Gohda, H. Tsubouchi, H. Nakayama, S. Hirono, N. Arakaki, I. Yamamoto, S. Hashimoto, and Y. Daikuhara
791	Treatment of Fulminant Viral Hepatic Failure with Prostaglandin E. A Preliminary Report. S. B. Sinclair and G. A. Levy
801	Insulin and Glucagon Levels in Fulminant Hepatic Failure in Man. F. Fiaccadori, G. Pedretti, C. Ferrari, P. Pizzaferri, O. Riggio, N. Orland and A. Pezzarossa
809	Insulin and Glucagon Therapy of Acute Hepatic Failure. K. Fujiwara, I. Ogata, Y. Sato, T. Tomiya, Y. Ohta, Y. Oka, S. Nagoshi, S. Yamada, N. Masaki, K. Takatsuki, S. Hayashi, and H. Oka
816	Inhibitors of Hepatic DNA Synthesis in Fulminant Hepatic Failure. R. D. Hughes, H. Yamada, C. D. Gove, and R. Williams
820	Intensive Liver Care and Management of Acute Hepatic Failure. R. Williams and A. E. S. Gimson
	Review Article
827	Physiology and Pathophysiology of Colonic Motor Activity. (Part One of Two.) S. K. Sarna
863	News and Notices

# **JULY 1991**

	Organia Articles
865	Testimonial
866	Fasting Gastric pH and Its Relationship to True Hypochlorhydria in Humans. M. Feldman and C. Barnett
870	Dual Effects of N-Ethylmaleimide on Ethanol-Induced Gastric Lesions in Rats. K. Takeuchi, M. Okada, H. Niida, and S. Okabe
880	Influence of In Situ Neural Isolation of Jejunoileum on Postprandial Pancreatobiliary Secretion and Gastric Emptying. N.J. Soper, M.G. Sarr, E.P. DiMagno, K.A. Kelly, and V.L.W. Go
888	Intracolonic Fat Inhibits Gastric Acid Secretion Independent of Gastrin Release in the Dog. T. Hashimoto, F. Lluis, G. Gomez, F.L.C. Hill, G.H. Greeley, and J.C. Thompson
893	Intragastric Device for Weight Loss: Effect on Energy Intake in Dogs. D. Durrans, T.V. Taylor, and S. Holt
897	Chronic Omeprazole Treatment Increases Duodenal Susceptibility to Ethanol Injury in Rats. R.A. Erickson, S. Bezabah, G. Jonas, E. Lifrak, and A.S. Tarnawski
905	Dopamine Agonists Prevent Duodenal Ulcer Relapse: A Comparative Study with Famotidine and Cimetidine. P. Sikiric, I. Rotkvic, S. Mise, M. Petek, R. Rucman, S. Seiwerth, V. Zjacic-Rotkvic, M. Duvnjak, V. Jagic, E. Suchanek, Z. Grabarevic, T. Anic, T. Brkic, Z. Djermanovic, M. Dodig, A. Marovic, and D.E. Hernandez
911	Double-Blind Randomized Multicenter Study Comparing Maalox TC Tablets and Ranitidine in Healing of Duodenal Ulcers. J.O. Hunter, R.J. Walker, J. Crowe, R.R. Gillies, K.R. Gillies, K.R. Gough, and S. Lorber
917	Gastrointestinal Transit of a Solid-Liquid Meal in Chronic Alcoholics. M. Wegener, J. Schaffstein, U. Dilger, C. Coenen, B. Wedmann, and G. Schmidt
924	Flexible Sigmoidoscopy May Be Ineffective for Secondary Prevention of Colorectal Cancer in Asymptomatic, Average-Risk Men. P.G. Foutch, H. Mai, K. Pardy, J.A. DiSario, R.K. Manne, and D. Kerr
929	Effects of High-Fiber Diet on Fecal Blood Content (HemoQuant Assay) in Healthy Subjects. J.L. Slavin, E.A. Melcher, M. Sundeen, and S. Schwartz
933	Clinical Pathology of Endocrine Tumors of the Pancreas: Analysis of Autopsy Cases. W. Kimura, A. Kuroda, and Y. Morioka
943	Demonstration of Transient Bacterobilia by Foreign Body Implantation in the Feline Biliary Tract. J.Y. Sung, J.W.C. Leung, M.E. Olson, M.S. Lundberg, and J.W.C. Costerton
949	Lithotripsy Versus Cholecystectomy for Management of Gallstones—A Decision Analysis by Markov Process. A. Sonnenberg, G.A. Derfus, and K.H. Soergel
957	Roles of Deoxycholate and Arachidonate in the Pathogenesis of Cholesterol Gallstones in Obese Patients During Rapid Loss of Weight. J.W. Marks, G.G. Bonorris, and L.G. Schoenfield
	Conference Reports
961	Hepatic Cancer Pathogenesis and Detection. Selected Papers from the Proceedings of the International Meeting on Normal and Neoplastic Growth in Hepatology, Bari, Italy, June 1989
962	Hepatocellular Carcinoma: A Worldwide Problem and the Major Risk Factors. R.G. Simonetti, C. Cammà, F. Fiorello, F. Politi, G. D'Amico and L. Pagliaro
973	Hepatocyte Proliferation in the Stepwise Development of Experimental Liver Cell Cancer. E. Farber
979	Nutritional Model of Hepatocarcinogenesis. Rats Fed Choline-Devoid Diet. B. Lombardi, N. Chandar, and J. Locker
985	[35S]Methionine Interaction with Rat Liver tRNA and Effect of Chemical Carcinogens. D. Kanduc and E. Quagliariello
990	Hepatocarcinoma in Cirrhosis: Is Antithrombin III a Neoplastic Marker? A. Grieco, V. De Stefano, A. Cassano, A. Ciabattoni, C. Garufi, A. Astone, G. Leone, and C. Barone
993	Serum α-L-Fucosidase: A More Sensitive Marker for Hepatocellular Carcinoma? F. Marotta, D.H. Chui, P. Safran, and S.C. Zhang  Review Article
998	Physiology and Pathophysiology of Colonic Motor Activity: (Part Two of Two). S.K. Sarna
	Case Report
1019	Focal Spared Area in Fatty Liver Simulating a Mass: Scintigraphic Evaluation. J.S. Newman, E. Oates, S. Arora, and M. Kaplan
	Total Spared In cash Santa San

#### **AUGUST 1991**

1025	Diffuse Esophageal Spasm: A Rare Motility Disorder Not Characterized by High-Amplitude Contractions. Christine Boag Dalton, Donald O. Castell, Edward G. Hewson, Wallace C. Wu, and Joel E. Richter
1029	Transcutaneous Electrical Nerve Stimulation Decreases Lower Esophageal Sphincter Pressure in Patients with Achalasia. Moises Guelrud, Alicia
	Rossiter, Paul F. Souney, and Maryselis Sulbaran
1034	Provocation of Transient Lower Esophageal Sphincter Relaxations by Meals in Patients with Symptomatic Gastroesophageal Reflux. R. H. Holloway, P. Kocyan, and J. Dent
1040	<ul> <li>Clinical Correlates of Abnormal Sensitivity to Intraesophageal Balloon Distension. Ray E. Clouse, Gregory S. McCord, Patrick J. Lustman, and Steven A. Edmundowicz</li> </ul>
1046	The Effect of Intravenous Diazepam on Esophageal Motility in Normal Subjects. R. Matthew Reveille, John S. Goff, and Karen Hollstrom-Tarwater
1050	A Time-Dependent Study of Passive Esophageal Wall Properties and Collagen Content in Rabbits with Esophageal Varices. H. Gregersen, L. Knudsen, B. Eika, L. Salling Nerstrøm, L. Rasmussen, and L. S. Jensen
1057	Paradoxical Relationship Between Substrates and Agonist-Induced Contractions of Opossum Esophageal Body and Sphincter In Vitro. W. H.
1037	Percy, J. Sutherland, and J. Christensen
1066	Abnormalities of Gastrointestinal Motility in Children with Nonulcer Dyspepsia and in Children with Gastroesophageal Reflux Disease.  S. Cucchiara, M. Bortolotti, C. Colombo, A. Boccieri, M. De Stefano, G. Vitiello, A. Pagano, A. Ronchi, and S. Auricchio
1074	Surgery or Chemoneurolysis for Complete Vagal Denervation of Rat Stomach? Aws S. Salim
1079	Lymphocytic Gastritis in Nonulcer Dyspepsia. K. Jaskiewicz, S. K. Price, J. Zak, and H. D. Louwrens
1084	Seroepidemiology of Helicobacter pylori Infection in India: Comparison of Developing and Developed Countries. David Y. Graham, Ervin Adam, Gurunath T. Reddy, Jai Prakash Agarwal, Rohit Agarwal, Doyle J. Evans, Jr., Hoda M. Malaty, and Dolores G. Evans Severity of Helicobacter-Induced Gastric Injury Correlates with Gastric Juice Ammonia. Andrzej T. Triebling, Mark A. Korsten, Jan W.
	Dlugosz, Fiorenzo Paronetto, and Charles S. Lieber
1097	Combined Treatment of Symptomatic Gallbladder Stones by Extracorporeal Shock-Wave Lithotripsy (ESWL) and Instillation of Methyl Tert-Butyl Ether (MTBE). Joseph Holl, Tilman Sauerbruch, Michael Sackmann, Jürgen Pauletzki, and Gustav Paumgartner
1102	Successful Shock-Wave Lithotripsy of Bile Duct Stones Using Ultrasound Guidance. Susan J. Gordon, David A. Stampfl, Ian S. Grimm,
1110	Wolfgang Dahnert, Barry B. Goldberg, and Gene Taglienti
1110	One Gram of Aspirin per Day Does Not Reduce Risk of Hospitalization for Gallstone Disease. John H. Kurata, Jay Marks, and David Abbey
1116	Gallbladder Function and Gastric Liquid Emptying in Achalasia. Vito Annese, Nazario Caruso, Laura Accadia, Armando Gabbrielli, Sergio Modoni, Vincenzo Frusciante, and Telemaco Federici
****	Conference Reports
1121	Hepatic Cancer: The Role of Viruses. Selected Papers from the Proceedings of the International Meeting on Normal and Neoplastic Growth in Hepatology, Bari, Italy, June 1989
1122	The Detection of Hepatitis B Virus (HBV) in HBeAG Negative Individuals with Primary Liver Cancer. P. Paterlini and C. Bréchot
1130	Hepatitis C Antibody in Patients with Chronic Liver Disease and Hepatocellular Carcinoma. M. Colombo, M. G. Rumi, M. F. Donato, M. A. Tommasini, E. Del Ninno, G. Ronchi, G. Kuo, and M. Houghton
1134	Role of Hepatitis Delta Virus Infection in Hepatocellular Carcinoma. Giorgio Verme, Maurizia Rossana Brunetto, Filippo Oliveri, Maurizio Baldi, Barbara Forzani, Paolo Piantino, Antonio Ponzetto, and Ferrucio Bonino
1137	Hepatocellular Carcinoma, Alcohol, and Cirrhosis: Facts and Hypotheses. R. Naccarato and F. Farinati
1143	HBV-DNA-Related Hepatocellular Carcinoma Occurring in Childhood: Report of Three Cases. R. Giacchino, C. Navone, F. Facco, G.
1145	Giambartolomei, P. Pontisso, and F. Callea
	Review Article
1147	Smoking, the Oral Contraceptive Pill, and Crohn's Disease. A. J. Wakefield, A. M. Sawyerr, M. Hudson, A. P. Dhillon, and R. E. Pounder  Case Reports
1151	Secretory Diarrhea Following a Dog Bite. Richard M. Peek and Christopher Truss
1154	Yersinia enterocolitica Infection with Ileal Perforation Associated with Iron Overload and Deferoxamine Therapy. Guido Mazzoleni, Derek deSa, John Gately, and Robert H. Riddell
1161	Collagenous Colitis with Involvement of Terminal Ileum. Frederick W. Lewis, George H. Warren, and John S. Goff
1164	Portal Vein Thrombosis Complicating Endoscopic Variceal Sclerotherapy: Convincing Further Evidence. Jacob Korula, Albert Yellin, Gary C. Kanel, and Peter Nichols
1168	Familial Enteric Neuropathy with Pseudoobstruction. Michael Camilleri, Laura D. Carbone, and Michael D. Schuffler
1172	H <sub>2</sub> Antagonist and Omeprazole Nonresponders. Vincenzo Savarino, Giuseppe Sandro Mela, Sergio Vigneri, and Guido Celle
1173	n <sub>2</sub> Antagonist and Omeprazole vonresponders. Vincenzo Savarino, Giuseppe Sandro Meia, Sergio Vigneri, and Giudo Cene Omeprazole: Gastric Data. K. G. Wormslev
1175	Resection of Intestinal Bypass Blind Loop. Ernst J. Drenick
1176	Response to "Resection of Intestinal Bypass Blind Loop." John G. Kral
1177	Decreased Activity of Atrial Natriuretic Peptide in Dumping Syndrome after Gastric Surgery, Z. Tulassay, T. Tulassay, R. Gupta, and W. Rascher
1179	Pancreatic Duct Changes, I. Hamilton with a response by Thomas J. McGarrity
1180	Antimony Electrodes, John M. Rawlings
1180	Antimony Electrodes for In Vivo pH Monitoring, Antone R. Opekun and David Y. Graham
1182	News and Notices

## **SEPTEMBER 1991**

1185	Can Intrahepatic Shunting be Measured? S. Keiding
1189	Combined Evaluation of Total and Functional Liver Plasma Flows and Intrahepatic Shunting. G. Molino, P. Avagnina, M. Ballarè, M. Torchio, A.G. Niro, P.E. Aurucci, M. Grosso, and C. Fava
1197	Prognostic Value of Galactose Elimination Capacity, Aminopyrine Breath Test, and ICG Clearance in Patients with Cirrhosis: Comparison with the Pugh Score. C. Merkel, A. Gatta, M. Zoli, M. Bolognesi, P. Angeli, T. Iervese, G. Marchesini, and A. Ruol
1204	Short-Term Oral Zinc Supplementation Does Not Improve Chronic Hepatic Encephalopathy. Results of a Double-Blind Crossover Trial. O. Riggio, F. Ariosto, M. Merli, M. Caschera, A. Zullo, G. Balducci, V. Ziparo, G. Pedretti, F. Fiaccadori, E. Bottari, and L. Capocaccia
1209	Low Serum Levels of α-Interferon, γ-Interferon, and Interleukin-2 in Alcoholic Cirrhosis. M.M. Vicente-Gutiérrez, A.D. Ruiz, B.G. Extremera, J.M. Bermúdez García, and F.G. Gea
1213	Suppressor T-Cell Deficiency in Primary Sclerosing Cholangitis: Case and Family Study. A.E. Kilby, E.L. Krawitt, R.J. Albertini, B.F. Chastenay, and A. John
1217	Randomized, Double-Blind, Placebo-Controlled Trial of Eight-Week Course of Recombinant α-Interferon for Chronic Non-A, Non-B Hepatitis.  M. Omata, Y. Ito, O. Yokosuka, F. Imazeki, M. Tagawa, S. Takano, K. Hosoda, M. Tada, M. Ohto, K. Ito, and K. Okuda
1223	A Double-Blinded Randomized Trial of Hydrocortisone in Acute Hepatic Failure. J. Rakela, J.W. Mosley, V.M. Edwards, S. Govindarajan, E Alpert, and The Acute Hepatic Failure Study Group
1229	Incidence of Ultrasound-Detected Intrahepatic Hematomas Due to a Tru-Cut Needle Liver Biopsy. S. Sugano, Y. Sumino, T. Hatori, H. Mizugami, T. Kawafune, and T. Abei
1234	Hepatic Lesions in Alcoholic HBV Carriers. T. Takahashi, T. Kamimura, H. Asakura, and F. Ichida
1243	Role of Bile Acids in the Splanchnic Hemodynamic Response to Chronic Portal Hypertension. S.H. Thomas, T. Joh, and J.N. Benoit
1249	Abnormal Perception of Visceral Pain in Response to Gastric Distension in Chronic Idiopathic Dyspepsia: The Irritable Stomach Syndrome. M. Lémann, J.P. Dederding, B. Flourié, C. Franchisseur, J.C. Rambaud, and R. Jian
1255	Idiopathic Gastroparesis in Patients with Unexplained Nausea and Vomiting. D. Wengrower, S. Zaltzman, F. Karmeli, and E. Goldin
1259	Slow Gastric Emptying Induced by High Fat Content of Meal Accelerated by Cisapride Administered Rectally. G. Stacher, G.V. Granser, H. Bergmann, A. Kugi, G. Stacher-Janotta, and J. Höbart
1266	Mucosal Humoral Immune Response to Helicobacter pylori in Patients with Duodenitis. J.E. Crabtree, T.M. Shallcross, J.I. Wyatt, J.D. Taylor R.V. Heatley, B.J. Rathbone, and M.S. Losowsky
1274	Effects of Verapamil and Diltiazem on Gastric Emptying in Normal Subjects. R.T. Yavorski, S.E. Hallgren, and P.W. Blue
1277	Neutrophil Chemotaxis in Gastric Mucosa: A Signal-to-Response Comparison. R. Kozol, A. Domanowski, R. Jaszewski, R. Czanko, B. McCurdy, M. Prasad, B. Fromm, and R. Calzada
	Conference Reports
1281	Selected Papers from the Proceedings of the International Meeting on Normal and Neoplastic Growth in Hepatology, Bari, Italy, June 1989
1282	Structural and Functional Aspects of Regeneration of Human Liver. F. Schaffner
1287	Cirrhosis of the Liver: A Regenerative Process. F. Callea, M. Brisigotti, G. Fabbretti, R. Sciot, P. Van Eyken, and M. Favret
1294	Chronic Mitoinhibition during Promotion of Hepatocarcinogenesis. E. Laconi, P.M. Rao, S. Rajalakshmi, P. Pani, and D.S.R. Sarma
1299	Role of Estrogens and Epidermal Growth Factor in Hepatocellular Carcinoma (HCC). A. Francavilla, C. Panella, A. Amoruso, A. Giangaspero, L. Gennari, V. Mazzaferro, G. Colella, D.H. Van Thiel, and T.E. Starzl
1303	Quantitation of Estrogen and Androgen Receptors in Hepatocellular Carcinoma and Adjacent Normal Human Liver. P.K. Eagon, A. Francavilla, A. DiLeo, M.S. Elm, L. Gennari, V. Mazzaferro, G. Colella, D.H. Van Thiel, and T.E. Starzl
1309	Hepatic Regeneration: Effects of Age, Sex Hormone Status, Prolactin, and Cyclosporine. D.H. Van Thiel, R. Stauber, J.S. Gavaler, and A. Francavilla
1313	Prolactin-Provoked Alterations of Cytosolic, Membrane, and Nuclear Protein Kinase C Following Partial Hepatectomy. A.R. Buckley, P.D. Crowe, P.A. Bauman, L.A. Neumayer, H.E. Laird, II, D.H. Russell, and C.W. Putnam
1320	Hepatocyte Transplantation: A Potential Treatment for Liver Disease. A.A. Demetriou, A. Felcher, and A.D. Moscioni
1327	Artificial Liver: State of the Art. T. Takahashi, P.S. Malchesky, and Y. Nosé
	Letters to the Editor
1341	Intragastric pH Monitoring Is Unsuitable for Diagnosis of Duodenogastric Reflux. J. Hostein and R. Bost
1343	Response to Hostein and Bost. S. Mattioli and P. Loria
1344	News and Notices

#### **OCTOBER 1991**

1345 The Famous Gastrocutaneous Fistula of Alexis St. Martin. Why Didn't It Close? Or Should We Refer to It as a Gastric Stoma? M.G. Sarr, P. Bass, and E. Woodward Original Articles 1348 Effect of Elevated Intracranial Pressure on Gastric Acid Secretion, Mucosal Blood Flow and Mucosal Injury. D.-S. Li, E.H. Livingston, and P.H. Guth 1353 Inability of Cytoprotection to Occur During a Period of Gastric Ischemia. G.M. Frydman, A.G. Penney, C. Malcontenti, and P.E. O'Brien Emptying of the Gastric Substitute, Glucagon-like Peptide-1 (GLP-1), and Reactive Hypoglycemia After Total Gastrectomy. J. Miholic, C. 1361 Ørskov, J.J. Holst, J. Kotzerke, and H.J. Meyer 1371 Definition for Idiopathic Gastric Acid Hypersecretion: A Statistical and Functional Evaluation. M.J. Collen and M.J. Sheridan 1377 Very Low Dose Antacid in Treatment of Duodenal Ulcer: Comparison with Cimetidine. S. Zaterka, F. Cordeiro, L.G.C. Lyra, M. Toletino, S.J. Miszputen, J.L. Jorge, E.P. Silva, F.E. Vieira, J.L. Modena, H.K. Massuda, J.N. Eisig, D. Chinzon, A.A. Pereira, L. Altieri, C.E. Gantois, R.B. Wilson, M.C.B. Martins, H. Rosa, and E. Dallaverde Neto 1384 Comparative Tolerability Profile of Omeprazole in Clinical Trials. T.J. Simon and D.C. Bradstreet 1390 Effect of Cimetidine on Marathon-Associated Gastrointestinal Symptoms and Bleeding, F.M. Moses, R.S. Baska, D.A. Peura, and P.A. 1395 A Comparison of Omeprazole and Ranitidine for Duodenal Ulcer in South African Patients: A Multiracial Study. I.N. Marks, M.D. Danilewitz, and J.A.M. Garisch 1401 Reproducibility of Endoscopic Sphincter of Oddi Manometry. A. Thune, J. Scicchitano, I. Roberts-Thomson, and J. Toouli 1406 Endoscopic Retrograde Sphincterotomy in Swine. C.F. Gholson, J.M. Provenza, J.T. Doyle, and B.R. Bacon 1410 Percutaneous Transhepatic Manometry of Sphincter of Oddi. Y. Akita, Y. Nimura, and A. Yasui 1418 OKT3 Prophylaxis in Liver Transplantation. S. McDiarmid, M.J. Millis, P.I. Terasaki, M.E. Ament, R.W. Busuttil Review Article 1427 Prophylactic Use of OKT3 in Liver Transplantation: A Review. J. Fung and T. Starzl Original Articles 1431 Rejection Therapies. G.B. Klintmalm Effect of Nifedipine on Interdigestive Gallbladder Volume and Postprandial Gallbladder Emptying in Man. K. Jonderko, A. Nowak, A. 1434 Kasicka-Jonderko, Z. Śliwiński, and C. Kucio 1441 Frequency of Hereditary Nonpolyposis Colorectal Cancer in Southern Alberta. P.J. Westlake, H.E. Bryant, S.A. Huchcroft, and L.R. 1448 Oral Colon Lavage Solutions Containing Polyethylene Glycol May Interfere with ELISA Detection of Tumor-Associated Antigens in Colonic Effluent. M. Tobi, E. Darmon, P. Rozen, N. Epstein, F. Konikoff, J. Stadler, N. Harpaz, A. Fink, Z. Bentwich, B. Maliakkal, and G.D. Luk 1453 Two-Color Immunofluorescence and Flow Cytometric Analysis of Lamina Propria Lymphocyte Subsets in Ulcerative Colitis and Crohn's Disease. M. Senju, K.C. Wu, Y.R. Mahida, and D.P. Jewell 1459 Short-Chain Fatty Acids Induce Reversible Injury of Porcine Colon. R.A. Argenzio and D.J. Meuten 1469 Effects of Cyclosporin A and FK506 on Ischemia/Reperfusion-Induced Neutrophil Infiltration in the Cat. P. Kubes, J. Hunter, and D.N. 1473 Effect of Obesity on Gastroesophageal Resistance to Flow in Man. P. Zacchi, F. Mearin, P. Humbert, X. Formiguera, and J.-R. Malagelada 1481 Is Rectosigmoid Response to Food Modulated by Proximal Colon Stimulation? J. Tomlin, S.R. Brown, P.A. Cann, and N.W. Read - Case Reports . 1486 Retention of Nondeflating Balloon in Small Bowel: Case Report and Review of the Literature. A.V. Thillainayagam, J.A. Dias, F. Mourad, C.B. Williams, R. Reznek, and M.J.G. Farthing Oral Contraceptive-Induced Esophageal Ulcer: Two Cases and Literature Review. R. Oren and A. Fich 1489 Development of Non-Hodgkin's Lymphoma of the Colon after Radiation Therapy for Hodgkin's Disease. S.N. Glick, T. Roth, and S.K. Teplick 1491 Gastric "Pseudolymphoma" with Restricted Light Chain Expression in a Patient with Obscure Gastrointestinal Blood Loss. H. Schulman, J. 1495 Sickel, M.S. Kleinman, and J.T. Adams

Letters to the Editor

News and Notices

Extensive Gastrointestinal Aspergillosis Associated with AIDS. M.S. Cappell

Omeprazole: Gastrin and Gastric Data (August 1991). R.G. Berlin

1500

1501

1503

#### **NOVEMBER 1991**

	Editorial
1505	Pancreatic Stone Protein: What Is It and What Does It Do? K.N. Rao and D.H. Van Thiel  Original Articles
1509	Differences of Pancreatic Stone Morphology and Content in Patients with Pancreatic Lithiasis. A. Mariani, J.P. Bernard, M. Provansal-Cheylan, S. Nitsche, and H. Sarles
1517	Clinical Significance of Chronic Hyperamylasemia. M. Ventrucci, R. Pezzilli, and D. Festi
1523	Effect of Synthetic Porcine Neuropeptide Y (NPY) on Splanchnic Blood Flows and Exocrine Pancreatic Secretion in Dogs. S. Sumi, K. Inoue, M. Kogire, R. Doi, M. Yun, H. Kaji, R. Hosotani, M. Fugimura, K. Uchida, S. Kiyama, K. Kitagawa, H. Yajima, N. Fujii, and T Tobe
1529	Prevalence of Subtypes of Intestinal Metaplasia in Gastric Antral Mucosa. M.E. Craanen, P. Blok, W. Dekker, J. Ferwerda, and G.N.J. Tytgat
1537	A New Method for Measurement of Blood Flow, pH, and Transmucosal Potential Difference in Rat Gastroduodenal Mucosa by Endoscopy. M. Uchida, N. Misaki, and O. Kawano
1543	Gastroduodenal Mucosal Surface and Luminal pH in Gastric Ulcer. J.M. Rawlings, B.J.Z. Danesh, M.L. Lucas, R.J. Morgan, A.N.H. Main, and R.I. Russell
1550	Circadian Rhythms of Gastric Mucus Efflux and Residual Mucus Gel in the Fasting Rat Stomach. K.R. Larsen, J.G. Moore, and M.T. Dayton
1556	Completion Gastrectomy for Refractory Gastroparesis following Surgery for Peptic Ulcer Disease: Long-Term Follow-Up with Subjective and Objective Parameters. R.W. McCallum, S.C. Polepalle, and B. Schirmer
1562	Misoprostol But Not Antacid Prevents Endotoxin-Induced Gastric Mucosal Injury: Role of Tumor Necrosis Factor—Alpha. M. Mahatma, N. Agrawal, E.Z. Dajani, S. Nelson, C. Nakamura, and J. Sitton
1569	6-Mercaptopurine and Spermatogenesis in the Young Rat. P.I. Karl, R Katz, F. Daum, and S.E. Fisher
1574	Intestinal Mucin Secretion in Streptozotocin-Diabetic Rats: Lack of Response to Cholinergic Stimulation and Cholera Toxin. M. Mantle, E. Thakore, R. Mathison, and J.S. Davison
1582	Factors Affecting Plasma Postheparin Diamine Oxidase Activity. J.S. Thompson, D.A. Burnett, and W.P. Vaughan
1589	Creatine Kinase Isoenzymes in the Diagnosis of Intestinal Infarction. M.W. Fried, U.K. Murthy, S.R. Hassig, J. Woo, and R.P. Oates
1594	Response of Canine Ileocolonic Sphincter to Intraluminal Acetic Acid and Colonic Distension. L.W. Köhler, R. Heddle, B.W. Miedema, S.F. Phillips, and K.A. Kelly
1601	Colonic Fermentation of Potato Starch after a Freeze-Thaw Cycle. W. Scheppach, M. Bach, P. Bartram, S. Christl, W. Bergthaller, and H. Kasper
1606	Effects of Fat and Fiber on Human Colon Cancer Xenografted to Athymic Nude Mice. T.J. McGarrity, L.P. Peiffer, S.T. Kramer, and J.P. Smith
1611	Different Mechanism of Magnesium and Calcium Transport Across Rat Duodenum. U. Karbach, A. Schmitt, and F.H. Saner
1619	Verapamil and Furosemide Prevent Cholecystokinin-Induced Translocation of Immunoglobulins in Rat Intestine. S. Freier, M. Eran, Y. Alon, and U. Elath
1625	Dissociation of Cholecystokinin and Pancreaticobiliary Response to Intraduodenal Bile Acids and Cholestyramine in Humans. I. Koop, S. Dorn, H. Koop, S. Witzleb, C. Beglinger, A. Schafmayer, and R. Arnold
	Review Article
1633	The Amygdala: Emotions and Gut Functions. P.G. Henke, A. Ray, and R.M. Sullivan
	Case Reports
1644	Ischemic Colitis of the Cecum after Renal Transplantation Masquerading as Malignant Disease. P.M. Hellström, C. Rubio, I. Odar-Cederlöf, and P. Slezak
1649	Hemolysis, Elevated Liver Enzymes, and Low Platelets in Pregnancy (HELLP Syndrome): A Case Report and Literature Review. B. Schorr-Lesnick, B. Dworkin, and W.S. Rosenthal
1653	Primary Adenocarcinoma of Duodenal Bulb Benefitted by Chemotherapy. T. Ohkusa, K. Ohtomo, N. Yamamoto, and H. Fujimoto
1657	Thyroid Dysfunction and Liver Injury following Alpha-Interferon Treatment of Chronic Viral Hepatitis. B. Berris and S.V. Feinman  Letter to the Editor
1661	Effects of Nutritional Therapy on Chemiluminescence in Crohn's Disease. N. Okabe, K. Maeda, M. Okada, M. Ueki, T. Sakurai, T. Matsui, and T. Yao
1663	News and Notices

## **DECEMBER 1991**

1665	Review Articles  Clinical Implications of Drug Interactions with the Cytochrome P450 Enzyme System Associated with Omeprazole. T.J. Humphries
1670	Dopamine and Gastroprotection: The Brain-Gut Axis. G.B. Glavin
	Original Articles
1673	Effects of H <sub>2</sub> -Receptor Antagonists on Gastric Alcohol Dehydrogenase Activity. J. Caballería, E. Baraona, R. Deulofeu, R. Hernández-Muñoz, J. Rodés, and C.S. Lieber
1680	Applied Potential Tomography: Noninvasive Method for Measuring Gastric Emptying of a Solid Test Meal. Y.F. Mangnall, D.D. Kerrigan, A.G. Johnson, and N.W. Read
1685	Tolerance and Rebound to H <sub>2</sub> -Receptor Antagonists: Intragastric Acidity in Patients with Duodenal Ulcer. C.H. Wilder-Smith, F. Halter, and H.S. Merki
1691	Cisapride in Treatment of Roux-en-Y Syndrome. H.C.J. van der Mijle, H. Beekhuis, R.P. Bleichrodt, and J.H. Kleibeuker
1697	Effect of Partial Gastrectomy on Serum Anti-Helicobacter pylori Immunoglobulins in Peptic Ulcer Patients. C.B.H.W. Lamers, P.N.M.A. Rieu, R.A. Veenendaal, W. van Duijn, G.J.A. Offerhaus, H.J.M. Joosten, and A.S. Peña
1702	Dieulafoy's Lesion: Diagnosis and Management. H.F. Reilly, III, and F.H. Al-Kawas
1708	Roles of In Vitro- and In Vivo-Administered Histamine and Serotonin in Compound 48/80-Induced Gastric Acid Secretion in Isolated, Perfused Rat Stomach. HC. Hsu, L.J. Flancbaum, E. Kasziba, G.F. Merrill, and H. Fisher
1715	Effects of Stimulation and Inhibition of Acid Secretion on Gastric Damage Induced by Platelet-Activating Factor. J.M. Piqué, R.M. Pérez Ayuso, J. Bilbao, and J. Terés
1721	CP-66,948: An Antisecretory Histamine H <sub>2</sub> -Receptor Antagonist with Mucosal Protective Properties. J.P. Hakkinen, W.F. Holt, C.J. Goddard, P.J. Oates, W.R. Murphy, J.J. Maciejko, and L.A. Reiter
1729	Alterations of Intestinal Microflora by Antibiotics: Effects on Fecal Excretion, Transit Time, and Colonic Motility in Rats. C. Cherbut, J.P. Ferre, D.E. Corpet, Y. Ruckebusch, and J. Delort-Laval
1735	Pharmacokinetics of 5-Aminosalicylic Acid in Man following Administration of Intravenous Bolus and <i>Per Os</i> Slow-Release Formulation. S. Bondesen, J. Hegnhøj, F. Larsen, S.H. Hansen, C.P. Hansen, and S.N. Rasmussen
1741	Antibodies to Mycobacterium paratuberculosis in Patients with Crohn's Disease. F. Brunello, A. Pera, S. Martini, L. Marino, M. Astegiano, C. Barletti, P. Gastaldi, G. Verme, and G. Emanuelli
1746	Health Status and Health Care Use in Persons with Inflammatory Bowel Disease: A National Sample. D.A. Drossman, J. Leserman, C.M. Mitchell, Z. Li, E. Zagami, and D.L. Patrick
1756	Breath Hydrogen Test Using Water-Diluted Lactulose in Patients with Gastrointestinal Amyloidosis. T. Matsumoto, M. Iida, M. Hirakawa, K. Hirakawa, F. Kuroki, S. Lee, T. Nanbu, and M. Fujishima
1761	Pelvic Floor Muscles Response to Graded Rectal Distension and Cutaneous Stimulation. D.L. Filipini and B. Dubrovsky
1768	Effects of Somatostatin Analog SMS 201-995 on Enterotoxigenic Diarrhea. R.N. Greenberg
1774	Portal Hypertensive Colopathy: A New Entity. S. Naveau, P. Bedossa, T. Poynard, B. Mory, and JC. Chaput
1782	Ascitic Fluid and Serum Cefotaxime and Desacetyl Cefotaxime Levels in Patients Treated for Bacterial Peritonitis. B.A. Runyon, E.A. Akriviadis, F.R. Sattler, and J. Cohen
1787	Clinical Usefulness of Des-γ-carboxy Prothrombin Assay in Early Diagnosis of Hepatocellular Carcinoma. S. Fujiyama, K. Izuno, K. Gohshi, J Shibata, and T. Sato
	Case Reports
1793	Hepatotoxicity from Paraaminobenzoic Acid. M. Borum, E. Nsien, and H. Zimmerman
1794	Gallstone Ileus Successfully Treated by Shock-Wave Lithotripsy. M. Sackmann, J. Holl, M. Haerlin, T. Sauerbruch, R. Hoermann, J. Heinkelein, and G. Paumgartner
1796	Cyst of the Gallbladder. E. Jacobs, D. Ardichvili, E. D'Avanzo, R. Penneman, and D. Van Gansbeke
	Letter to the Editor
1803	Acute Porphyria with Hyperamylasemia. C.A. Pierach, I.C. Bossenmaier, and M.K. Weimer
_	Gratitude
1804	Thank You to Reviewers, October 13, 1990 to October 17, 1991
	Indexes
1808	Author Index

